

NETWORK SYSTEM, SERVER, CLIENTS, COMMUNICATION METHOD, AND
COMMUNICATION COMPUTER PROGRAM PRODUCT

[Document Type] Abstract

5 [Abstract]

[Object]

To ensure the polling of a server 11 will reach clients 12 from which an ACK/NACK has not been received despite the change of IP addresses of clients 12 in a network system
10 where an ACK/NACK is to be sent back from each client 12 to the server 11 after file data is transmitted from the server 11 to multiple clients 12 by means of broadcast.

[Constitution]

Clients 12 in a group are granted identification IDs that
15 are mutually identifiable and permanent. Server 11 send the polling by means of multicast that contains information about permanent IDs of the clients 12 from which it has not received an ACK/NACK. Each of the clients 12 replies with an ACK/NACK if its own permanent ID is contained in the
20 polling, otherwise makes no reply.